

ASSEMBLY MANUAL



HOBIE CAT EUROPE

ZI Toulon Est, BP 250

83078 Toulon cedex 9, France

Tel : +33 (0)494 08 78 78 - Fax : +33 (0)494 08 13 99

Email : hobie.cat@wanadoo.fr - <http://www.hobie-cat.com>



ASSEMBLY MANUAL

TABLE OF CONTENT

Hull assembly	3
Trampoline fitting	4
Rudder system assembly	5
Mast and rigging.....	6-7
Mainsail	8
Mainsheet.....	9
Turbo Kit	10
Righting line.....	11
Safety tips	12

It is advisable to assemble the Hobie Wave with
Two people.

LIST OF PARTS

- ⇒ Hulls (2)
- ⇒ Front crossbar
- ⇒ Rear crossbar
- ⇒ Mast
- ⇒ Trampoline
- ⇒ Rear trampoline strip
- ⇒ Rudder assemblies (2)
- ⇒ Tiller crossbar
- ⇒ Tiller extension
- ⇒ Mainsail
- ⇒ Jib kit
- ⇒ Batten set (6)
- ⇒ Parts bag
- ⇒ Ropes bag
- ⇒ Wire bag



CAUTION - DANGER
ALUMINIUM MAST
STAY CLEAR OF OVERHEAD WIRES

Hull assembly

1

Lay the hulls on the ground on their sides with the bottoms to the center (graphics down) as in figure 1. A tarp or pads may be desirable under the hull if the ground surface is rough.

There is one plug in the rear of each hull (shown inset). These plugs are used to drain the hulls. The plugs should be in place before sailing. Remove the plugs after sailing to drain any water that may have leaked into the hulls. It is best to travel and store the boat with the plugs removed to allow for pressure changes due to heating, cooling and altitude changes. This will prevent warping of the hull surface.



2

Lift the front crossbar and insert the left end into the left hull. Lift the rear crossbar and insert the left end into the left hull. NB : The crossbars have stops built into the underside that will limit the depth the crossbars can be inserted.

Identify the right and the left trampoline halves and slide the front of this in the track of the front crossbar.



3



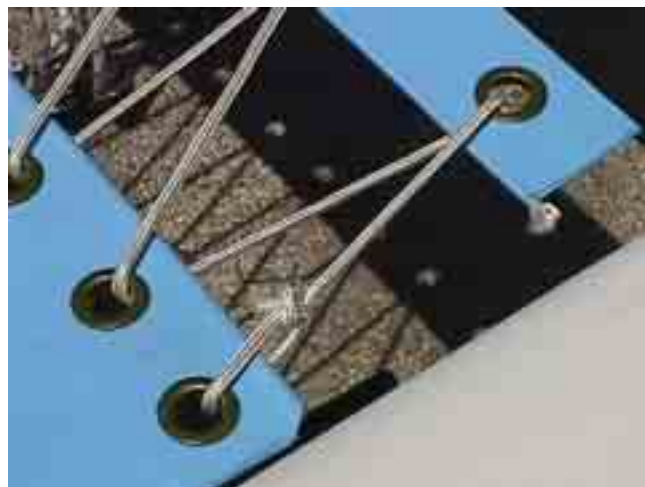
Insert the rear trampoline stripe in the rear crossbar. Insert the right side of the front crossbar in the right hull and the right side of the rear crossbar in the right hull. Feed the outside edges of the trampoline halves through the trampoline tracks attached to the inside edge of the deck.

Trampoline fittings

1

Proceed to lace the trampoline halves along the rear first. Do not tighten.

Tighten the trampoline lacings and attach them as indicated on the picture.



2

Thread and tighten the center trampoline lacing from front to rear.



3

NB : A tight trampoline gives the boat its rigidity.



Rudder system assembly

1

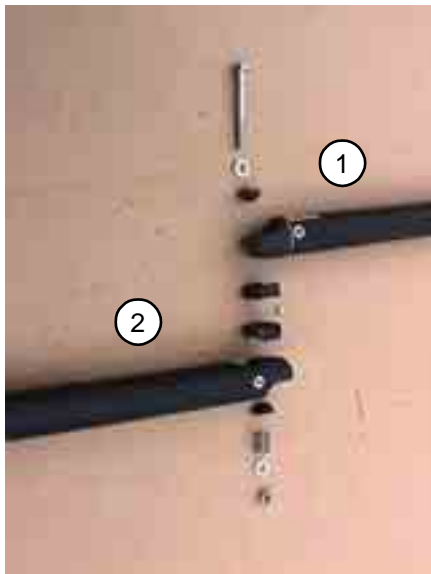
Identify the right and the left rudders. Green sticker for the right, red sticker for the left. Attach these to the boat using the two aluminium rudder pins and split rings provided.



Tiller crossbar and extension

2

Locate the tiller crossbar and identify the left and right hand ends. NB: the tiller crossbar (1) locates on top of the tiller/rudder arms (2). Locate the tiller connector kits and install as shown on the photographs.



3

Locate the tiller extension and secure it to the tiller crossbar using the clevis pin and ring clip provided.



Mast and rigging

1

Remove the main and jib halyard lines from the ropes bags. Unroll the main halyard wire that is secured at the head of the mast. Using a bowline knot, secure the main halyard line to the thimble at the end of the halyard wire. Now, secure both ends at the base of the mast.



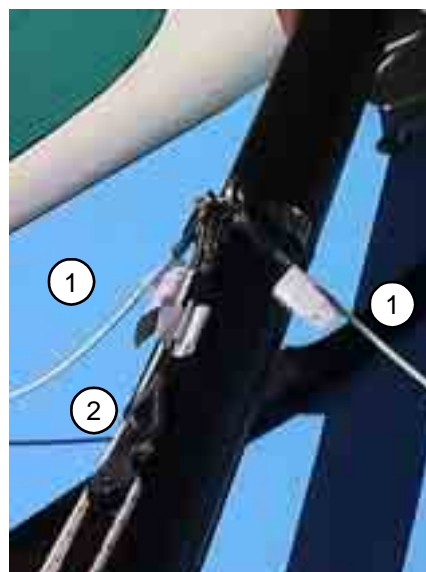
2

Remove all the wires from the wires bag and unroll them. Ensure that all twists are removed.

Locate the 8 mm tang shackle and shackle the five wires to the mast tang, as per photograph. Ensure that the shackle is tightened securely.

1. Shrouds

2. Pigtail, forestay, jib halyard/
(for Turbo model only)



3



With the base of the mast facing towards the front of the boat, lay the mast on top of the boat. (place some padding under the mast to prevent scratching).

Find the package containing the stay adjusters, twist toggles, clevis pins and split rings. Assemble by pinning the twist toggle into the bottom of the stay adjuster.

4

Next, fasten the shrouds into the stay adjusters. To begin with, fasten the shroud about half way up the adjuster. This position can be adjusted later. The position influences mast rake. Now fasten the twist toggles to the anchor bar pins on each side of the boat. You can pull the cover partially over the stay adjusters at this time. The assembly of the trapeze wires can wait until after you have raised the mast.



Raising the mast

5

Now, ensure that the forestay wire is not twisted around any other wires and you are ready for raising the mast.

For safety, two people should raise the mast. One person positions the hook on the mast base under the pin in the mast step, whilst the other person supports the head of the mast whilst the person supporting the top of the mast starts walking towards the boat and lifting at the same time.

When the person on the trampoline can support the weight of the mast, the second person walks around the front of the mast and pushes down on the mast base. This provides added security and prevents the base from popping out of the step whilst the person on the trampoline fully raises the mast.



6

With the person on the trampoline supporting the mast, the other person shackle the two bridles to the stay adjuster at the end of the forestay. Now, provided all the clevis pins have the split rings fitted, the mast is supported by the shrouds and forestay. For the Turbo model see page (jib assembly)



BEFORE RAISING THE MAINSAIL, MAKE SURE THAT THE BOAT IS POINTING INTO THE WIND. IF THE WIND CHANGES DIRECTION, MOVE THE BOAT.

1

Unfold the mainsail and lay on a flat clean surface. Undo the set of battens and identify which batten goes in which batten pocket. Insert the battens into the pockets. Using the batten ties secure each batten into it's respective pocket (as per drawing). Push the battens in reasonably hard - sufficient to remove any wrinkles from the pocket.

NOTE : it is important to relieve the tension on the battens after each day's sailing. This will prolong the life of the sail.



2

Place the sail on the trampoline, the battens clips towards the back. Undo the main halyard wire from the mast and shackle it to the head board of the mainsail. Now, feed the bolt rope at the head of the sail into the cut out in the sail track on the mast.

Now, pull on the main halyard line whilst feeding the sail into the track cut out.

3

When the sail is all the way up, position the stopper on the wire halyard so that it engages in the halyard lock. Attach the main halyard rope to one of the white cleat at the bottom of the mast.

Then take the downhaul rope and attach it to the sail tack grommet near the mast. Pass the line down and through the center of the downhaul cleat on the mast. Run the line up to the grommet and tie off.



MAINSHEET



These pictures show how the mainsheet system is assembled and shackled to the traveller car and the clew of the mainsail.



1



2



3



1 Before installing the jib on the Hobie Wave, you must first install the parallel bow spreader (provided with the turbo kit). Install bow spreader tangs on each bow under existing bridle wire tang as shown. Pin faces towards center. With trampoline loosened, place bow spreader in position on pins installed on bows.



2

Install jib sheet swivel jam cleat as follows : unscrew the two screws of the trampoline track, install the swivel jam cleat plate between the hull and the track, screw again the two screws with washer to maintain the plate. Same operation on the opposite hull.



3

Before stepping the mast, Install jib halyard block on pig tail and place pigtail on the shroud shackle next to forestay wire. Run the halyard through the halyard block and tie off ends at lower cleat. Install halyard shackle. Step the mast.

Clip the jib tack to the spreader pole eye strap at center of the pole. Shackle the halyard to the jib head and hoist. Tension lightly and cleat to lower cleat on the mast.

Tie one end of the jib sheet to the jib clew. Run the sheet to (inside the shroud wire) the swivel jam through the dead eye first and then out jaws towards center of the boat. Pass the line behind the mast to the other swivel cleat. Run the line through jaws first then dead eye. Run line forward (inside shroud) to the jib clew and tie off.



Take the righting line from the rope bag and attach it to the front crossbar as indicated on the picture. Store the excess line in the trampoline pocket.

CAUTION / SAFETY TIPS A LIRE AVANT DE PARTIR

- ♦ Whether on land or on the water, **watch for overhead power lines**. Contact with power lines can cause serious injury or death.
- ♦ **DO NOT** sail while under the influence of alcohol and/or drugs
- ♦ Only sail in conditions in which you feel comfortable and where you feel confident that you can safely sail the boat. **Never go out in conditions beyond your ability.**
- ♦ Everyone on board should **wear a life jacket at all times.**
- ♦ If you are in the water, remain in contact with the boat, even if it is capsized. A sailboat can drift away faster than a person can swim.
- ♦ Never sail without a righting line.
- ♦ **Wear appropriate clothes.** Wear a wet suit or dry suit in cold weather or cold water conditions.
- ♦ Learn the **right of way rules** and when in doubt, give way to others.
- ♦ When not sailing, always **keep the boat pointed into the wind** whether in the water or on the beach.
- ♦ Read the instruction manual carefully.
- ♦ **Make sure everyone on the boat reads and understands these safety instructions.**
- ♦ **ALWAYS** check that the **drain plugs** are screwed in before launching your catamaran.